

RAW SEQUENCE LISTING

**The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.**

Application Serial Number: 10/588,884
Source: IFWP
Date Processed by STIC: 8/18/06

ENTERED



IFWP

RAW SEQUENCE LISTING

DATE: 08/18/2006

PATENT APPLICATION: US/10/588,884

TIME: 15:56:28

Input Set : A:\PTO.KD.txt

Output Set: N:\CRF4\08182006\J588884.raw

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3 <110> APPLICANT: Csaky, Karl G
4     Ponce, Lourdes
5     Kleinman, Hynda
7 <120> TITLE OF INVENTION: Therapeutic administration of the scrambled anti-angiogenic
8     peptide C16Y
10 <130> FILE REFERENCE: 41743.8005.US00
C--> 12 <140> CURRENT APPLICATION NUMBER: US/10/588,884
C--> 12 <141> CURRENT FILING DATE: 2006-08-09
12 <160> NUMBER OF SEQ ID NOS: 13
14 <170> SOFTWARE: PatentIn version 3.2
16 <210> SEQ ID NO: 1
17 <211> LENGTH: 12
18 <212> TYPE: PRT
19 <213> ORGANISM: Artificial
21 <220> FEATURE:
22 <223> OTHER INFORMATION: Scrambled version of C16 peptide
24 <300> PUBLICATION INFORMATION:
25 <301> AUTHORS: Ponce, M.L., Hibino, S., Lebioda, A.M., Mochizuki, M., Nomizu,
26     M., Kleinman, H.K.
27 <302> TITLE: Identification of a potent peptide antagonist to an active
28     laminin-1 sequence that blocks angiogenesis and tumor growth
29 <303> JOURNAL: Cancer Research
30 <304> VOLUME: 63
31 <306> PAGES: 5060-5064
32 <307> DATE: 2003-08-15
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43 <212> TYPE: PRT
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47 <223> OTHER INFORMATION: Minimum active sequence of C16Y peptide
49 <300> PUBLICATION INFORMATION:
50 <301> AUTHORS: Ponce, M.L., Hibino, S., Lebioda, A.M., Mochizuki, M., Nomizu,
51     M., Kleinman, H.K.
52 <302> TITLE: Identification of a potent peptide antagonist to an active
53     laminin-1 sequence that blocks angiogenesis and tumor growth
54 <303> JOURNAL: Cancer Research
55 <304> VOLUME: 63
56 <306> PAGES: 5060-5064

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57 <307> DATE: 2003-08-15
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111 <213> ORGANISM: Caenorhabditis elegans
113 <300> PUBLICATION INFORMATION:
114 <301> AUTHORS: C-elegans consortium
115 <302> TITLE: Genome sequence of the nematode c. elegans: a platform for
116 investigating biology
117 <303> JOURNAL: Science (Wash. DC)
118 <304> VOLUME: 282
119 <306> PAGES: 2012-2018
120 <307> DATE: 1998
121 <313> RELEVANT RESIDUES: (1)..(10)
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129 <210> SEQ ID NO: 7

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130 <211> LENGTH: 4
131 <212> TYPE: PRT
132 <213> ORGANISM: Mus musculus
134 <300> PUBLICATION INFORMATION:
135 <301> AUTHORS: Nomizu, M., Yokoyama, F., Suzuki, N., Okazaki, I., Nishi, N.,
136 Ponce, L.P., Kleinman, H.K., Yamamoto, Y., Nakagawa, S., Mayumi,
137 T.
138 <302> TITLE: Identification of homologous biologically active sites on the
139 N-terminal domain of laminin a chains
140 <303> JOURNAL: Biochemistry
141 <304> VOLUME: 40
142 <306> PAGES: 15310-15317
143 <307> DATE: 2001
144 <313> RELEVANT RESIDUES: (1)..(4)
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152 <210> SEQ ID NO: 8
153 <211> LENGTH: 4
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157 <300> PUBLICATION INFORMATION:
158 <301> AUTHORS: Nomizu, M., Kuratomi, Y., Song, S.Y., Ponce, M.L., Hoffman, M.P.,
159 Powell, S.K., Miyoshi, K., Otaka, A., Kleinman, H.K., Yamada, Y.
160 <302> TITLE: Identification of cell binding sequences in mouse laminin y-1
161 chain by systematic peptide screening
162 <303> JOURNAL: Journal of Biological Chemistry
163 <304> VOLUME: 272
164 <306> PAGES: 32198-32205
165 <307> DATE: 1997
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174 <210> SEQ ID NO: 9
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177 <213> ORGANISM: Mus musculus
179 <300> PUBLICATION INFORMATION:
180 <301> AUTHORS: Grant, D.S., Tashiro, K., Segui-Real, B., Yamada, Y., Martin,
181 G.R., Kleinman, H.K.
182 <302> TITLE: Two different laminin domains mediate the differentiation of
183 human endothelial cells into capillary-like structures in vitro
184 <303> JOURNAL: Cell
185 <304> VOLUME: 58
186 <306> PAGES: 933-943
187 <307> DATE: 1989
188 <313> RELEVANT RESIDUES: (1)..(5)
190 <300> PUBLICATION INFORMATION:

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DATE: 08/18/2006

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Input Set : A:\PTO.KD.txt

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191 <301> AUTHORS: Iwamoto, Y., Robey, F.A., Graf, J., Sasaki, M., Kleinman, H.K.,
 192 Yamada, Y., Martin, G.R.
 193 <302> TITLE: YIGSR a pentapeptide from the B1 chain of laminin inhibits tumor
 194 cell metastases
 195 <303> JOURNAL: Science (Wash. DC)
 196 <304> VOLUME: 238
 197 <306> PAGES: 1132-1134
 198 <307> DATE: 1987
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 212 <220> FEATURE:
 213 <223> OTHER INFORMATION: Scrambled version of C16 peptide
 215 <300> PUBLICATION INFORMATION:
 216 <301> AUTHORS: Ponce, M.L., Nomizu, M., Kleinman, H.K.
 217 <302> TITLE: An angiogenic laminin site and its antagonist bind through the
 218 avB3 and a5B1 integrins
 219 <303> JOURNAL: FASEB J
 220 <304> VOLUME: 15
 221 <306> PAGES: 1389-1397
 222 <307> DATE: 2001-06
 223 <313> RELEVANT RESIDUES: (1)..(12)
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 239 <300> PUBLICATION INFORMATION:
 240 <301> AUTHORS: Ponce, M.L., Hibino, S., Lebioda, A.M., Mochizuki, M., Nomizu,
 241 M., Kleinman, H.K.
 242 <302> TITLE: Identification of a potent peptide antagonist to an active
 243 laminin-1 sequence that blocks angiogenesis and tumor growth
 244 <303> JOURNAL: Cancer Research
 245 <304> VOLUME: 63
 246 <306> PAGES: 5060-5064
 247 <307> DATE: 2003-08-15
 248 <313> RELEVANT RESIDUES: (1)..(12)
 250 <400> SEQUENCE: 11
 252 Ile Lys Asp Tyr Leu Thr Phe Ala Arg Val Lys Phe
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DATE: 08/18/2006

PATENT APPLICATION: US/10/588,884

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Output Set: N:\CRF4\08182006\J588884.raw

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264 <300> PUBLICATION INFORMATION:
265 <301> AUTHORS: Ponce, M.L., Hibino, S., Lebioda, A.M., Mochizuki, M., Nomizu,
266 M., Kleinman, H.K.
267 <302> TITLE: Identification of a potent peptide antagonist to an active
268 laminin-1 sequence that blocks angiogenesis and tumor growth
269 <303> JOURNAL: Cancer Research
270 <304> VOLUME: 63
271 <306> PAGES: 5060-5064
272 <307> DATE: 2003-08-15
273 <313> RELEVANT RESIDUES: (1)..(12)
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284 <213> ORGANISM: Mus musculus
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289 1 5 10

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/588,884

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Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete,
per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:1,2,3,4,5,10,11,12

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/588,884

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Output Set: N:\CRF4\08182006\J588884.raw

L:12 M:270 C: Current Application Number differs, Replaced Current Application No

L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date